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## REQUEST FOR ACCESS TO AN APPLICATION UNDER 37 CFR 1.14(e)

In re Application of

Yuen

Application Number

08/312863

Filed

9/27/94

Art Unit

Examiner

Paper No.

9

Assistant Commissioner for Patents  
Washington, DC 20231

1. ☐ I hereby request access under 37 CFR 1.14(e)(2) to the application file record of the above-identified ABANDONED Application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE)

☐ (A) referred to in:United States Patent Application Publication No. 6239794, page \_\_\_\_\_, line \_\_\_\_\_,

United States Patent Number \_\_\_\_\_, column \_\_\_\_\_, line \_\_\_\_\_, or

an International Application which was filed on or after November 29, 2000 and which

designates the United States, WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

☐ (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11(b) or

1.14(e)(2)(i), i.e., Application No. \_\_\_\_\_, paper No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

2. ☐ I hereby request access under 37 CFR 1.14(e)(1) to an application in which the applicant has filed an authorization to lay open the complete application to the public.

Jim Brown

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Jim Brown

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10/7/02

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(initials)

Unit: \_\_\_\_\_



US006239794B1

(12) **United States Patent**  
Yuen et al.

(10) Patent No.: **US 6,239,794 B1**  
(45) Date of Patent: **\*May 29, 2001**

(54) **METHOD AND SYSTEM FOR  
SIMULTANEOUSLY DISPLAYING A  
TELEVISION PROGRAM AND  
INFORMATION ABOUT THE PROGRAM**

#### FOREIGN PATENT DOCUMENTS

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Mankovitz**, Encino; **Elsie Leung**, South  
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447968 9/1991 (EP) .  
488379 6/1992 (EP) .  
497235 8/1992 (EP) .  
444496 9/1996 (EP) .  
2217144 10/1989 (GB) .  
3-178278 8/1991 (JP) .  
4-44475 2/1992 (JP) .  
WO 95/32583 11/1995 (WO) .  
WO 95/32585 11/1995 (WO) .  
WO 96/09721 3/1996 (WO) .  
WO 96/13935 5/1996 (WO) .  
WO 96/17473 6/1996 (WO) .

(73) Assignee: **E Guide, Inc.**, Los Angeles, CA (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

#### OTHER PUBLICATIONS

TV Guide On Screen information sheets.

RCA Satellite Receiver User's Manual.

(21) Appl. No.: **08/475,395**

(22) Filed: **Jun. 7, 1995**

(List continued on next page.)

#### Related U.S. Application Data

(63) Continuation-in-part of application No. 08/424,863, filed on Apr. 17, 1995, now abandoned, which is a continuation-in-part of application No. 08/369,522, filed on Jan. 5, 1995, now abandoned, which is a continuation-in-part of application No. 08/312,863, filed on Sep. 27, 1994, now abandoned, which is a continuation-in-part of application No. 08/298,997, filed on Aug. 31, 1994, now abandoned.

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(51) Int. Cl.<sup>7</sup> ..... **H04N 5/445**  
(52) U.S. Cl. .... **345/327; 348/565; 348/906**  
(58) Field of Search ..... **348/565, 906,**  
**348/12, 563, 564, 566, 567, 570, 731, 732;**  
**H04N 5/445, 5/45**

(57)

#### ABSTRACT

A television viewer uses a PIP format for display of program related information such as television program listings from a program schedule data base in the background and moving, real time or stored video clip images of a program selected from the displayed listings in the PIP window. All the text of the background information lies outside the PIP window. In one embodiment, as the viewer selects a particular program from the display of current television program listings by means of a cursor or a code number, the corresponding program automatically appears in the PIP window.

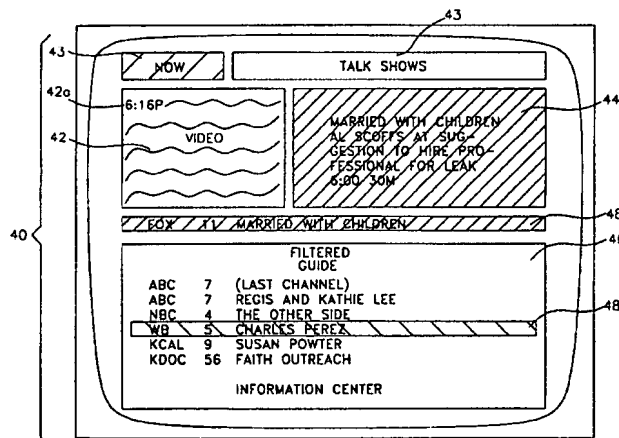
#### (56) References Cited

##### U.S. PATENT DOCUMENTS

3,891,792 6/1975 Kimura ..... 178/5.8 R  
4,691,351 9/1987 Hayashi et al. .... 380/10

(List continued on next page.)

**21 Claims, 33 Drawing Sheets**



## U.S. PATENT DOCUMENTS

4,694,490	9/1987	Harvey et al.	380/20
4,706,121	11/1987	Young	358/142
4,729,027	3/1988	Hakamada et al.	358/183
4,734,769	3/1988	Davis	358/142
4,746,983	5/1988	Hakamada	358/183
4,751,578	6/1988	Reiter et al.	358/183
4,821,102	4/1989	Ichikawa et al.	358/183
4,873,584	10/1989	Hashimoto	358/335
4,890,168	12/1989	Inoue et al.	358/335
4,908,707	3/1990	Kinghorn	358/147
4,918,531	4/1990	Johnson	358/183
4,954,882	9/1990	Kamemoto	358/22
4,991,011	2/1991	Johnson et al.	358/141
4,992,782	2/1991	Sakamoto et al.	340/747
4,998,171	3/1991	Kim et al.	358/183
5,027,400 *	6/1991	Baji	
5,038,211	8/1991	Hallenbeck	358/142
5,040,067	8/1991	Yamazaki	358/183
5,047,867	9/1991	Strubbe et al.	358/335
5,083,205 *	1/1992	Arai	348/565 X
5,109,279	4/1992	Ando	358/147
5,146,335	9/1992	Kim et al.	358/183
5,148,275	9/1992	Blatter et al.	358/147
5,161,019	11/1992	Emanuel	358/183
5,233,423	8/1993	Jernigan et al.	358/181
5,237,417	8/1993	Hayashi et al.	358/183
5,237,418	8/1993	Kaneko	358/183
5,247,364	9/1993	Banker et al.	358/191.1
5,253,066	10/1993	Vogel	358/188
5,285,265	2/1994	Choi	348/565
5,311,423	5/1994	Clark	364/401
5,315,392	5/1994	Ishikawa et al.	348/570
5,353,121	10/1994	Young et al.	348/563
5,390,027	2/1995	Henmi et al.	358/335
5,434,625 *	7/1995	Willis	348/565

5,453,796 *	9/1995	Duffield	
5,477,262	12/1995	Banker et al.	348/7
5,479,268 *	12/1995	Young	348/906 X
5,485,221	1/1996	Banker et al.	348/563
5,523,796 *	6/1996	Marshall et al.	348/589
5,528,304 *	6/1996	Cherrick et al.	348/565
5,559,548	9/1996	Davis et al.	348/6
5,559,550 *	9/1996	Mankovitz et al.	348/6
5,583,560	12/1996	Florin et al.	348/7
5,585,838	12/1996	Lawler et al.	348/13
5,600,364	2/1997	Hendricks et al.	348/1
5,610,664 *	3/1997	Robert	348/564
5,625,406	4/1997	Newberry et al.	348/7
5,635,978	6/1997	Alten et al.	348/7
5,731,844	3/1998	Rauch et al.	348/563

## OTHER PUBLICATIONS

Panasonic TX-33A1G Operating Instructions.  
 Prevue Networks, Inc. promotional materials.  
 VideoGuide User's Manual.  
 StarSight Operating Guide and Quick Reference.  
 SuperGuide On Screen Satellite Program Guide, User's Guide, Owner's Manual, and sales literature.  
 Rundfunktechnische Mitteilungen, vol. 30, No. 1 Jan. 1986-Feb. 1986 Norderstedt (DE).  
 Symposium Record Cable Sessions, "Digital On-Screen Display A New Technology for the Consumer Interface", Publication date May 1993.  
 James Sorce, Designing a Broadband Residential Entertainment Service: A Case Study, 13th International Symposium Human Factors in Telecommunications, Torino, Italy, Sep. 10-14, 1990.\*

\* cited by examiner